

Amendments to the Specification:

Please replace the paragraph [0027] on page 8, with the following rewritten paragraph:

In a first embodiment, a RF detector array for use with a magnetic resonance imaging (MRI) system is provided. ~~The array comprises~~ Referring further to Figure 2, in an embodiment of the RF detector array, the array comprises a plurality of conductive strips 102 being substantially parallel to a conductive ground plane (not shown) and a plurality of capacitors C1 and C2 (330 of Figure 3), wherein at least one capacitor is shunted from each strip to the ground plane to adjust a corresponding electrical length of each conductive strip. The combination of each respective strip, at least one corresponding capacitor and the ground plane forms a resonator that resonates at a selected frequency. Conductive strips 102 may be substituted with other conductive array elements, as described above, for example rods, pipes, wires and the like.